

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/001079

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 H01L51/30 C09K11/06 H05B33/14 C07F5/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L C09K H05B C07F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	CHENG, CHUNG-CHIH ET AL: "Syntheses and remarkable photophysical properties of 5-(2-pyridyl) pyrazolate boron complexes; photoinduced electron transfer" CHEMICAL COMMUNICATIONS, no. 20, 3 October 2003 (2003-10-03), pages 2628-2629, XP002286359 ISSN: 1359-7345 compound 2d	1-4, 6, 7, 10, 12-31, 35
A	US 6 368 731 B1 (HEUER HELMUT-WERNER ET AL) 9 April 2002 (2002-04-09) cited in the application the whole document	1-36
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
<b>* Special categories of cited documents :</b>		
*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family		
Date of the actual completion of the international search 29 June 2004		Date of mailing of the international search report 12/07/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Elliott, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LIU Y ET AL: "Highly efficient white organic electroluminescence from a double-layer device based on a boron hydroxyphenylpyridine complex"  ANGEWANDTE CHEMIE, INTERNATIONAL EDITION, vol. 41, no. 1,  4 January 2002 (2002-01-04), pages 182-184, XP002286360  ISSN: 1433-7851  the whole document</p>	1-36
A	<p>US 6 287 713 B1 (HEUER HELMUT WERNER ET AL) 11 September 2001 (2001-09-11)  cited in the application  the whole document</p>	1-36
A	<p>LI ET AL: "A mixed pyridine-phenol boron complex as an organic electroluminescent material"  CHEMICAL COMMUNICATIONS, no. 16, 2000, pages 1551-1552, XP002231558  ISSN: 1359-7345  the whole document</p>	1-36
A	<p>WU Q ET AL: "Synthesis, structure and electroluminescence of BR2q (R = Et, Ph, 2-naphthyl and q = 8-hydroxyquinolato)"  CHEMISTRY OF MATERIALS, vol. 12, no. 1, January 2000 (2000-01), pages 79-83, XP000919563  ISSN: 0897-4756  the whole document</p>	1-36

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6368731	B1	17-01-2002	DE 19829949 A1 05-01-2000
		CA 2276808 A1 04-01-2000	
		EP 1074602 A1 07-02-2001	
		JP 2000138096 A 16-05-2000	
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